Title (en)

DIALYSIS SYSTEM FOR TREATING DIALYSATE

Title (de)

DIALYSESYSTEM ZUR BEHANDLUNG EINES DIALYSATS

Title (fr)

SYSTÈME DE DIALYSE POUR TRAITEMENT DE DIALYSAT

Publication

EP 3148606 B1 20190424 (EN)

Application

EP 15728990 A 20150528

Priority

- US 201462004642 P 20140529
- US 2015032778 W 20150528

Abstract (en)

[origin: WO2015184033A2] A method for treating dialysate solutions used in dialysis wherein dialysate is treated in an early part of a dialysis treatment session by external infusion of bicarbonate solution into the dialysate circuit to eliminate the need for bicarbonate requirements in concentrates used for preparation of precursor dialysate (priming) solutions and/or for a solid bicarbonate layer in a sorbent cartridge. Dialysate is treated in a latter part of a dialysis treatment session by introduction of sterile dilution water to reduce sodium concentration in the dialysate. The method provides a more efficient and reduced use of dialysate fluids, electrolytes, sorbent cartridge materials, equipment scale, or any combinations of these, while maintaining purity standards and applicable physiological ranges for bicarbonate, sodium, and other dialysate solution components over the course of a dialysis treatment session.

IPC 8 full level

A61M 1/16 (2006.01)

CPC (source: CN EP KR US)

A61M 1/14 (2013.01 - CN KR US); **A61M 1/1666** (2014.02 - CN EP KR US); **A61M 1/1696** (2013.01 - CN EP KR US); **A61M 60/17** (2021.01 - CN); **A61M 60/40** (2021.01 - CN); **G06F 19/00** (2013.01 - US); **G16H 10/60** (2018.01 - EP KR US); A61M 2205/3334 (2013.01 - CN EP KR US); A61M 2209/06 (2013.01 - CN EP KR US)

Citation (examination)

None

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)

WO 2015184033 A2 20151203; **WO 2015184033 A3 20160721**; AU 2015266980 A1 20161215; AU 2015266980 B2 20181122; CA 2950864 A1 20151203; CA 2950864 C 20200324; CA 3068516 A1 20151203; CN 106535953 A 20170322; CN 106535953 B 20190903; EP 3148606 A2 20170405; EP 3148606 B1 20190424; JP 2017516572 A 20170622; JP 2019058682 A 20190418; JP 6728069 B2 20200722; KR 101949005 B1 20190215; KR 102033277 B1 20191108; KR 20170010407 A 20170131; KR 20190003839 A 20190109; MX 2016015466 A 20170323; US 10155076 B2 20181218; US 2015343126 A1 20151203; US 2019070351 A1 20190307

DOCDB simple family (application)

US 2015032778 W 20150528; AU 2015266980 A 20150528; CA 2950864 A 20150528; CA 3068516 A 20150528; CN 201580028209 A 20150528; EP 15728990 A 20150528; JP 2016570031 A 20150528; JP 2018211403 A 20181109; KR 20167036111 A 20150528; KR 20187038160 A 20150528; MX 2016015466 A 20150528; US 201514723493 A 20150528; US 201816181373 A 20181106